

**ROCKY FLATS PLANT
EMD OPERATING
PROCEDURES MANUAL**

**Manual No :
Procedure No..
Page
Effective Date.
Organization**

**5-21000-OPS-GT
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1 of 4
10/18/91
Environmental Management**

THIS IS ONE VOLUME OF A SIX VOLUME SET WHICH INCLUDES

**VOLUME I: FIELD OPERATIONS (FO)
VOLUME II GROUNDWATER (GW)
VOLUME III: GEOTECHNICAL (GT)
VOLUME IV. SURFACE WATER (SW)
VOLUME V. ECOLOGY (EE)
VOLUME VI AIR (AP)**

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FOR VOLUME III GEOTECHNICAL**

<u>New Proc. No.</u>	<u>Old Proc No.</u>	<u>Title</u>	<u>Rev No.</u>	<u>Effective, Date</u>
GT 01	3 1	Logging Alluvial and Bedrock Matenal	1	8/30/91
GT 02	3 2	Drilling and Sampling Using Hollow Stem Auger Techniques	1	8/30/91
GT 03	3 3	Isolating Bedrock From the Alluvium with Grouted Surface Casing	1	8/30/91
DCN 91 01		Change in criteria for cement grouting	1	10/02/91
GT 04	3 4	Rotary Drilling and Rock Coring	1	8/30/91
GT 05	3 5	Plugging and Abandonment of Boreholes	1	8/30/91
GT 06	3 6	Monitoring Wells and Piezometer Installation	1	8/30/91
DCN 91 01		Industry Standard is 1 foot into Bedrock	1	10/15/91
DCN 91 02		For the Sitewide Program, Claystone Smearing does not seem to be a problem	1	10/15/91
GT 07	3 7	Logging and Sampling of Test Pits and Trenches	1	8/30/91
GT 08	3 8	Surface Soil Sampling	1	8/30/91

ADMIN RECORD

**DOCUMENT CLASSIFICATION
REVIEW WAIVER PER
CLASSIFICATION OFFICE**

A-SW 000030

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<u>New Proc. No.</u>	<u>Old Proc No.</u>	<u>Title</u>	<u>Rev. No.</u>	<u>Effective Date</u>
GT 09	3 9	Soil Gas Sampling and Field Analysis	1	8/30/91
GT 10	3 10	Borehole Clearing	1	8/30/91
GT 11	3 11	Plugging and Abandonment of Wells	1	8/30/91
GT 15	3 15	Geophysical Borehole Logging	1	8/30/91
DCN 91 01		No Hole will be left Unlogged at the end of the day	1	10/15/91
GT 17	3 17	Land Surveying	1	8/30/91
GT 18	3 18	Surface Geophysical Surveys	1	8/30/91
GT 19	3 19	Field Gas Chromatographs	1	8/30/91
GT 20	3 20	Procedures for Soil Interstitial Water Sampling and Sampler Installation	1	8/30/91

ENVIRONMENTAL MANAGEMENT DOCUMENT CHANGE NOTICE (DCN)

This is a
CONTROLLED DOCUMENT

Procedure Number 5-21000-OPS-GT 6 Rev 1

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ENVIRONMENTAL MANAGEMENT

Title Monitoring Wells and Piezometer Installation	Date 10-4-91	DCN Number 5-21000-OPS-GT 6 91-02
Expires <u>Upon Incorporation 1/15/92</u> Procedure Revision Required <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Rev 10/15/91)		
Scope Limitation <u>Sitewide Characterization Program only</u>		

Item Number	Page	Step or Paragraph	Changes (Use DCN CONTINUATION SHEET for Additional Space)
2	6 of 17	1	For the sitewide geologic characterization program only, substitute "auger 2 feet into bedrock to provide a pilot hole for a 2-foot deep sediment sump " for "an appropriately sized drive sampler will be driven 2 feet into the claystone bedrock to provide a pilot hole for a 2-foot deep sediment sump "

Justification (Reason for Change – Provide Numbers To Reference Corresponding Items Above)

For the sitewide program, claystone smearing does not seem to be a problem

Concurrence	Organization	Req	Date	Concurrence	Organization	Req	Date
<i>[Signature]</i>	QAPM	X	10/15/91	<i>[Signature]</i>	User	X	10/14/91

Approval of Responsible Manager <i>[Signature]</i>	Date 10-14-91	Is Posting Req'd? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If Yes, By What Date? ASAP (10-16-91)	Date Posted
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